

WEST

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L5: Entry 12 of 24

File: USPT

Nov 2, 1999

US-PAT-NO: 5976577

DOCUMENT-IDENTIFIER: US 5976577 A

TITLE: Process for preparing fast dispersing solid oral dosage form

DATE-ISSUED: November 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Green; Richard	Wiltshire			GB
Kearney; Patrick	Swindon			GB

US-CL-CURRENT: 424/490; 424/400, 424/451, 424/455, 424/456, 424/457, 424/458,
424/459, 424/460, 424/461, 424/484, 424/485, 424/486, 424/487, 424/488, 424/489

CLAIMS:

What is claimed is:

1. A process for preparing an oral solid rapidly disintegrating dosage form of a pharmaceutically active substance, comprising the steps of:

forming a suspension in a continuous phase of coarse particles of a pharmaceutically active substance in a carrier material, said carrier material being selected from the group consisting of water-soluble and water-dispersible carrier materials;

reducing the temperature of the suspension to form a cooled suspension of increased viscosity;

forming discrete units of said cooled suspension; and

removing the continuous phase to leave said rapidly disintegrating form in said carrier material.

2. A process according to claim 1, wherein said continuous phase comprises water.

3. A process according to claim 1, wherein said carrier material is gelatin.

4. A process according to claim 1, wherein said coarse particles are uncoated or coated with a coating which delays release of the pharmaceutically active substance beyond the point of disintegration of said form on the tongue.

5. A process according to claim 4, wherein said coating is selected from a group consisting of a polymeric material and a lipid material.

6. A process according to claim 5, wherein said polymeric material is selected from the group consisting of cellulose, a cellulose derivative, an acrylic derivative, polyglycolic--polylactic acid, polyvinylalcohol, gelatin, collagen and polyethyleneglycol.

7. A process according to claim 6, wherein said cellulose derivative is selected

from the group consisting of ethylcellulose, hydroxyethylcellulose, hydroxypropylmethylcellulose, hydroxypropylcellulose, methylcellulose, cellulose acetate, cellulose acetate phthalate and hydroxypropylmethylcellulosephthalate, and said acrylic derivative is a polymethacrylate.

8. A process according to claim 5, wherein said lipid material is selected from the group consisting of a wax, lanolin, stearic acid, a stearic acid derivative, a phospholipid and a glycolipid.

9. A process according to claim 8, wherein said stearic acid derivative is selected from the group consisting of a glycerol ester, a fixed oil and a fat.

10. A process according to claim 1, wherein said coarse particles have a size in the range of 50 .mu.m to 400 .mu.m.

11. A process according to claim 1, wherein a structure-forming agent is added to the suspension.

12. A process according to claim 11, wherein said structure-forming agent is selected from the group consisting of mannitol and sorbitol.

13. A process according to claim 11, wherein said structure-forming agent is added in an amount of 1 to 5% by weight.

14. A process according to claim 1, wherein the temperature of the suspension is reduced such that the viscosity is increased to a level sufficient to prevent sedimentation of the drug over a period of 5 minutes.

15. A process according to claim 1, wherein the temperature of the suspension is reduced to about 15-19.degree. C.

16. A process according to claim 1, wherein said continuous phase is removed by freeze drying.

17. A process according to claim 1, wherein said coarse coated particles contain about 10 to 95% by weight of pharmaceutical substance.

18. A process according to claim 1, wherein said dosage form disintegrates in water in less than 10 seconds.

19. A process according to claim 1, wherein said suspension has a solids content in the range of less than 50% by weight.

20. An oral solid rapidly disintegrating dosage form of a pharmaceutically active substance when prepared by a process according to claim 1.

21. A process according to claim 1, wherein said cooled suspension is formed into discrete units by introduction into a mold.

22. A process according to claim 21, wherein said mold comprises a plurality of depressions each of a shape and size for said oral dosage form.

23. A process according to claim 21, wherein said cooled suspension in said mold is frozen.

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 24 of 24 returned.**☐ 1. Document ID: US 6599529 B1

L5: Entry 1 of 24

File: USPT

Jul 29, 2003

US-PAT-NO: 6599529

DOCUMENT-IDENTIFIER: US 6599529 B1

TITLE: Modified release multiple-units compositions of non-steroid anti-inflammatory drug substances (NSAIDs)

DATE-ISSUED: July 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Skinh.o slashed.j; Annette	R.o slashed.dovre			DK
Bertelsen; Poul	Vanlase			DK

US-CL-CURRENT: [424/458](#); [424/451](#), [424/457](#), [424/464](#), [424/468](#), [424/469](#), [424/470](#),
[424/472](#), [424/474](#), [424/484](#), [424/489](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K/MC
Draw Desc	Image										

☐ 2. Document ID: US 6569463 B2

L5: Entry 2 of 24

File: USPT

May 27, 2003

US-PAT-NO: 6569463

DOCUMENT-IDENTIFIER: US 6569463 B2

TITLE: Solid carriers for improved delivery of hydrophobic active ingredients in pharmaceutical compositions

DATE-ISSUED: May 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Patel; Mahesh V.	Salt Lake City	UT		
Chen; Feng-Jing	Salt Lake City	UT		

US-CL-CURRENT: [424/497](#); [424/422](#), [424/427](#), [424/430](#), [424/433](#), [424/434](#), [424/435](#),
[424/436](#), [424/441](#), [424/451](#), [424/457](#), [424/463](#), [424/464](#), [424/465](#), [424/466](#), [424/470](#),
[424/474](#), [424/476](#), [424/482](#), [424/489](#), [424/490](#), [424/498](#), [514/773](#), [514/779](#), [514/784](#),
[514/785](#), [514/786](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	K/MC
Draw Desc	Image									

☐ 3. Document ID: US 6514524 B1

L5: Entry 3 of 24

File: USPT

Feb 4, 2003

US-PAT-NO: 6514524

DOCUMENT-IDENTIFIER: US 6514524 B1

TITLE: Orally administerable immediate-release and prolonged-release galenic form comprising an absorption-promoting agent and use of this absorption-promoting agent

DATE-ISSUED: February 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Saslawski; Olivier	Lyons			FR
Giet; Philippe	Lyons			FR
Michel; Dominique	Lyons			FR
Holot; Thierry	Lyons			FR

US-CL-CURRENT: 424/450; 424/400, 424/456, 424/460, 424/464, 424/488, 424/489, 424/490, 424/498, 424/499

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KVMC
Draw Desc	Image									

☐ 4. Document ID: US 6426087 B1

L5: Entry 4 of 24

File: USPT

Jul 30, 2002

US-PAT-NO: 6426087

DOCUMENT-IDENTIFIER: US 6426087 B1

TITLE: Orally administrable immediate-release and prolonged-release galenic form comprising an absorption-promoting agent and use of this absorption-promoting agent

DATE-ISSUED: July 30, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Saslawski; Olivier	Lyons			FR
Giet; Philippe	Lyons			FR
Michel; Dominique	Lyons			FR
Holot; Thierry	Lyons			FR

US-CL-CURRENT: 424/450; 424/456, 424/460, 424/464, 424/488, 424/489, 424/490, 424/498, 424/499

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KVMC
Draw Desc	Image									

☐ 5. Document ID: US 6416793 B1

L5: Entry 5 of 24

File: USPT

Jul 9, 2002

US-PAT-NO: 6416793

DOCUMENT-IDENTIFIER: US 6416793 B1

TITLE: Formulations and use of controlled-release indole alkaloids

DATE-ISSUED: July 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zeligs; Michael A.	Boulder	CO		
Jacobs; Irwin C.	Eureka	MO		

US-CL-CURRENT: 424/725, 424/489, 424/490, 424/492, 424/775

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC
Draw Desc	Image									

☐ 6. Document ID: US 6248363 B1

L5: Entry 6 of 24

File: USPT

Jun 19, 2001

US-PAT-NO: 6248363

DOCUMENT-IDENTIFIER: US 6248363 B1

TITLE: Solid carriers for improved delivery of active ingredients in pharmaceutical compositions

DATE-ISSUED: June 19, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Patel; Mahesh V.	Salt Lake City	UT		
Chen; Feng-Jing	Salt Lake City	UT		

US-CL-CURRENT: 424/497, 424/422, 424/427, 424/430, 424/433, 424/434, 424/435, 424/436, 424/441, 424/451, 424/457, 424/463, 424/464, 424/465, 424/466, 424/470, 424/474, 424/476, 424/482, 424/489, 424/490, 424/498, 514/772.3, 514/773, 514/779, 514/784, 514/785, 514/786

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC
Draw Desc	Image									

☐ 7. Document ID: US 6231888 B1

L5: Entry 7 of 24

File: USPT

May 15, 2001

US-PAT-NO: 6231888

DOCUMENT-IDENTIFIER: US 6231888 B1

TITLE: Local delivery of non steroidal anti inflammatory drugs (NSAIDS) to the colon as a treatment for colonic polyps

DATE-ISSUED: May 15, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lerner; E. Itzhak	Petah Tikva			IL
Flashner; Moshe	Petah Tikva			IL
Penhasi; Adel	Bat-Yam			IL

US-CL-CURRENT: [424/463](#); [424/450](#), [424/468](#), [424/473](#), [424/486](#), [424/489](#), [424/497](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 8. Document ID: US 6190692 B1

L5: Entry 8 of 24

File: USPT

Feb 20, 2001

US-PAT-NO: 6190692

DOCUMENT-IDENTIFIER: US 6190692 B1

TITLE: Time-specific controlled release capsule formulations and method of preparing same

DATE-ISSUED: February 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Buseti; Cesare	Milano			IT
Crimella; Tiziano	Milano			IT

US-CL-CURRENT: [424/451](#); [424/480](#), [424/489](#), [424/490](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 9. Document ID: US 6156339 A

L5: Entry 9 of 24

File: USPT

Dec 5, 2000

US-PAT-NO: 6156339

DOCUMENT-IDENTIFIER: US 6156339 A

TITLE: Process for preparing solid pharmaceutical dosage forms

DATE-ISSUED: December 5, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grother; Leon	Swindon			GB
Hall; Michael	Swindon			GB
Bryans; Douglas	Easterton			GB
Green; Richard	Manton			GB
Kearney; Patrick	Toothill			GB

US-CL-CURRENT: [424/450](#); [264/4.1](#), [424/451](#), [424/469](#), [424/470](#), [424/489](#), [424/490](#),
[424/493](#), [424/494](#), [424/497](#), [424/499](#), [424/500](#), [424/502](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMCM
Draw Desc	Image									

☐ 10. Document ID: US 6103269 A

L5: Entry 10 of 24

File: USPT

Aug 15, 2000

US-PAT-NO: 6103269

DOCUMENT-IDENTIFIER: US 6103269 A

TITLE: Solid bodies containing active substances and a structure consisting of hydrophilic macromolecules, plus a method of producing such bodies

DATE-ISSUED: August 15, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wunderlich; Jens-Christian	Heidelberg			DE
Schick; Ursula	Schriesheim			DE
Werry; Jurgan	Ludwigshafen			DE
Freidenreich; Jurgan	Schriesheim			DE

US-CL-CURRENT: [424/489](#); [264/13](#), [264/4.1](#), [264/4.33](#), [264/4.6](#), [424/401](#), [424/439](#),
[424/450](#), [424/484](#), [424/490](#), [424/491](#), [424/493](#), [424/494](#), [424/497](#), [424/498](#), [427/213.3](#),
[427/213.33](#), [427/213.35](#), [427/213.36](#), [428/402.2](#), [428/402.21](#), [428/402.24](#), [514/772.3](#),
[514/773](#), [514/774](#), [514/776](#), [514/777](#), [514/778](#), [514/779](#), [514/781](#), [514/782](#), [514/783](#),
[514/784](#), [514/786](#), [514/937](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMCM
Draw Desc	Image									

☐ 11. Document ID: US 6083529 A

L5: Entry 11 of 24

File: USPT

Jul 4, 2000

US-PAT-NO: 6083529

DOCUMENT-IDENTIFIER: US 6083529 A

TITLE: Liposome encapsulated active agent dry powder composition

DATE-ISSUED: July 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Manzo; Robert P.	Goshen	NY		
Vollhardt; Jurgan	Holzminden			DE
Malkan; Nisha	Nanuet	NY		
Friars; Gary	Midland Park	NJ		

US-CL-CURRENT: [424/450](#); [424/484](#), [424/485](#), [424/488](#), [424/489](#), [424/490](#), [424/493](#),
[424/496](#), [424/499](#), [424/500](#), [424/69](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC
Draw Desc	Image									

☐ 12. Document ID: US 5976577 A

L5: Entry 12 of 24

File: USPT

Nov 2, 1999

US-PAT-NO: 5976577

DOCUMENT-IDENTIFIER: US 5976577 A

TITLE: Process for preparing fast dispersing solid oral dosage form

DATE-ISSUED: November 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Green; Richard	Wiltshire			GB
Kearney; Patrick	Swindon			GB

US-CL-CURRENT: 424/490; 424/400, 424/451, 424/455, 424/456, 424/457, 424/458,
424/459, 424/460, 424/461, 424/484, 424/485, 424/486, 424/487, 424/488, 424/489

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC
Draw Desc	Image									

☐ 13. Document ID: US 5932245 A

L5: Entry 13 of 24

File: USPT

Aug 3, 1999

US-PAT-NO: 5932245

DOCUMENT-IDENTIFIER: US 5932245 A

TITLE: Gelatin or collagen hydrolysate containing drug formulation that provides for immediate release of nanoparticle drug compounds

DATE-ISSUED: August 3, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wunderlich; Jens-Christian	Heidelberg			DE
Schick; Ursula	Schriesheim			DE
Werry; Jurgen	Ludwigshafen			DE
Freidenreich; Jurgen	Schriesheim			DE

US-CL-CURRENT: 424/451; 424/456, 424/457, 424/464, 424/468, 424/489, 424/490,
424/492, 514/951, 514/962

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC
Draw Desc	Image									

☐ 14. Document ID: US 5876754 A

L5: Entry 14 of 24

File: USPT

Mar 2, 1999

US-PAT-NO: 5876754

DOCUMENT-IDENTIFIER: US 5876754 A

TITLE: Solid bodies containing active substances and a structure consisting of hydrophilic macromolecules, plus a method of producing such bodies

DATE-ISSUED: March 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wunderlich; Jens-Christian	Heidelberg			DE
Schick; Ursula	Schriesheim			DE
Werry; Jurgan	Ludwigshafen			DE
Freidenreich; Jurgan	Schriesheim			DE

US-CL-CURRENT: 424/489; 264/13, 264/4.1, 264/4.33, 264/4.6, 424/490, 424/491,
424/493, 424/497, 427/213.3, 427/213.33, 427/213.35, 427/213.36, 428/402.2,
428/402.24, 514/772.2, 514/772.3, 514/773, 514/774, 514/776, 514/777, 514/778,
514/779, 514/781, 514/782, 514/783

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 15. Document ID: US 5820879 A

L5: Entry 15 of 24

File: USPT

Oct 13, 1998

US-PAT-NO: 5820879

DOCUMENT-IDENTIFIER: US 5820879 A

TITLE: Method of delivering a lipid-coated condensed-phase microparticle composition

DATE-ISSUED: October 13, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fernandez; Julio M.	Rochester	MN		
Knudson; Mark B.	Shoreview	MN		

US-CL-CURRENT: 424/450; 424/1.21, 424/489, 424/490, 424/9.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 16. Document ID: US 5811124 A

L5: Entry 16 of 24

File: USPT

Sep 22, 1998

US-PAT-NO: 5811124

DOCUMENT-IDENTIFIER: US 5811124 A

TITLE: Microparticles with high drug loading

DATE-ISSUED: September 22, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fernandez; Julio M.	Rochester	MN		
Knudson; Mark B.	Shoreview	MN		

US-CL-CURRENT: [424/489](#); [424/484](#), [424/485](#), [424/486](#), [424/487](#), [424/488](#), [424/499](#),
[424/500](#), [424/501](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 17. Document ID: US 5783211 A

L5: Entry 17 of 24

File: USPT

Jul 21, 1998

US-PAT-NO: 5783211

DOCUMENT-IDENTIFIER: US 5783211 A

TITLE: Liposome encapsulated active agent dry powder composition

DATE-ISSUED: July 21, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Manzo; Robert P.	Goshen	NY		
Vollhardt; Jurgen	Bevern	NY		
Malkan; Nisha	Nanuet	NY		
Friars; Gary	Midland Park	NJ		

US-CL-CURRENT: [424/450](#); [424/484](#), [424/485](#), [424/488](#), [424/489](#), [424/490](#), [424/493](#),
[424/496](#), [424/499](#), [424/500](#), [424/69](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 18. Document ID: US 5753261 A

L5: Entry 18 of 24

File: USPT

May 19, 1998

US-PAT-NO: 5753261

DOCUMENT-IDENTIFIER: US 5753261 A

TITLE: Lipid-coated condensed-phase microparticle composition

DATE-ISSUED: May 19, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fernandez; Julio M.	Rochester	MN		
Knudson; Mark B.	Shoreview	MN		

US-CL-CURRENT: 424/450; 424/489, 424/490

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 19. Document ID: US 5654006 A

L5: Entry 19 of 24

File: USPT

Aug 5, 1997

US-PAT-NO: 5654006

DOCUMENT-IDENTIFIER: US 5654006 A

TITLE: Condensed-phase microparticle composition and method

DATE-ISSUED: August 5, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fernandez; Julio M.	Rochester	MN		
Knudson; Mark B.	Shoreview	MN		

US-CL-CURRENT: 424/489; 424/484, 424/485, 424/486, 424/487, 424/488, 424/499,
424/500, 424/501

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 20. Document ID: US 5427799 A

L5: Entry 20 of 24

File: USPT

Jun 27, 1995

US-PAT-NO: 5427799

DOCUMENT-IDENTIFIER: US 5427799 A

**** See image for Certificate of Correction ****

TITLE: Sustained release composition and method utilizing xanthan gum and an active ingredient

DATE-ISSUED: June 27, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Valentine; William	Lawrenceville	GA		
Valentine; William K.	Lawrenceville	GA		

US-CL-CURRENT: 424/451; 424/457, 424/469, 424/489

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 21. Document ID: US 5415872 A

L5: Entry 21 of 24

File: USPT

May 16, 1995

US-PAT-NO: 5415872

DOCUMENT-IDENTIFIER: US 5415872 A

TITLE: Compositions of gastric acid-resistant microspheres containing salts of bile acids

DATE-ISSUED: May 16, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sipos; Tibor	Lebanon	NJ		

US-CL-CURRENT: 424/490; 424/489, 424/494, 424/497

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 22. Document ID: US 5382437 A

L5: Entry 22 of 24

File: USPT

Jan 17, 1995

US-PAT-NO: 5382437

DOCUMENT-IDENTIFIER: US 5382437 A

**** See image for Certificate of Correction ****

TITLE: Frozen liquified gas composition and method for oral administration of drugs, biologicals, nutrients and foodstuffs

DATE-ISSUED: January 17, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ecanow; Bernard	Wilmette	IL		

US-CL-CURRENT: 424/499; 424/464, 424/466, 424/489, 426/384, 426/385

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 23. Document ID: US 5292534 A

L5: Entry 23 of 24

File: USPT

Mar 8, 1994

US-PAT-NO: 5292534

DOCUMENT-IDENTIFIER: US 5292534 A

**** See image for Certificate of Correction ****

TITLE: Sustained release composition and method utilizing xanthan gum and an active ingredient

DATE-ISSUED: March 8, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Valentine; William	Lawrenceville	GA		
Valentine; William K.	Lawrenceville	GA		

US-CL-CURRENT: [424/451](#); [424/457](#), [424/469](#), [424/470](#), [424/489](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 24. Document ID: US 5234697 A

L5: Entry 24 of 24

File: USPT

Aug 10, 1993

US-PAT-NO: 5234697

DOCUMENT-IDENTIFIER: US 5234697 A

TITLE: Compositions of gastric acid-resistant microspheres containing salts of bile acids

DATE-ISSUED: August 10, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sipos; Tibor	Lebanon	NJ		

US-CL-CURRENT: [424/490](#); [424/489](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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Terms	Documents
L4 and ((424/489)!.CCLS.)	24

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WEST Search History

DATE: Friday, October 03, 2003

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side by side

Hit Count Set Name
result set

DB=USPT,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR

L5	L4 and ((424/489)!.CCLS.)	24	L5
L4	L1 and phospholipid\$	253	L4
L3	L1 and (surface adj1 modifying adj1 agent\$)	6	L3
L2	L1 amd (surface adj1 modifying adj1 agent\$)	19550	L2
L1	(quick\$ or rapid\$) same (tablet\$ or granule\$ or lozenge\$)	10675	L1

END OF SEARCH HISTORY